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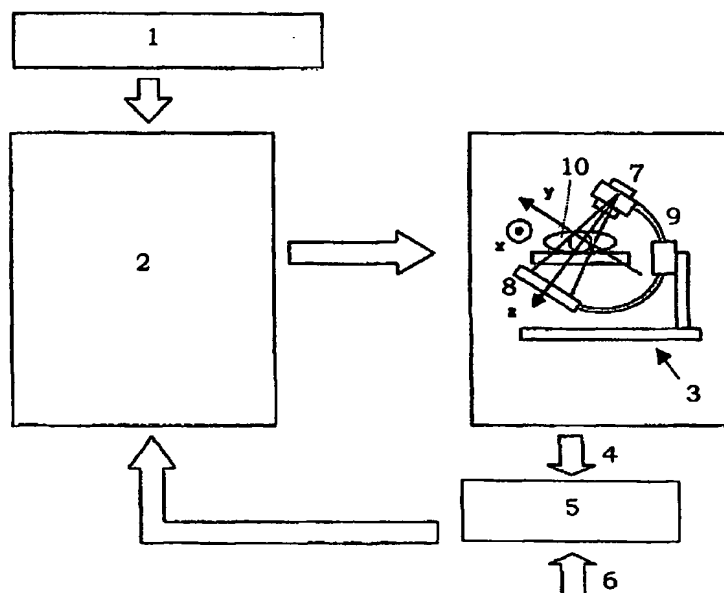
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(54) Title: IMAGING SYSTEM AND METHOD FOR OPTIMIZING AN X-RAY IMAGE



(57) Abstract: The invention relates to an imaging (X-ray) system for observing the motion of an object in the vascular system of a body volume (10). An X-ray apparatus (3) in this system generates two-dimensional projection images (4) of the body volume (10). In a module (5) the position of the tip of the object is determined from the projection images and this position is associated, in a further module (2), with a previously acquired three-dimensional representation (1) of the vascular system. The module (2) then calculates optimum imaging parameters which involve notably a planar projection of the tip of the object and a minimum projection window. These parameters are subsequently set on the X-ray apparatus (3) so as to serve as a basis for the next two-dimensional image (4).

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